

10/707,814

hydrogen at pressures ranging from atmospheric to 100 pounds per square  
=> d his

(FILE 'HOME' ENTERED AT 14:39:33 ON 03 NOV 2006)

FILE 'HCAPLUS, HCAOLD, USPATFULL, EPFULL' ENTERED AT 14:39:56 ON 03 NOV  
2006

L1 1442673 S METALS OR METAL VALUES OR METAL CATALYST? OR HEAVY METAL?  
L2 578601 S L1 AND (REMOVING OR REMOVE? OR REMOVAL OR SEPARAT? OR RECOVER  
L3 951965 S SILICA OR SILICA GEL  
L4 70271 S L3 AND (?MERCAPTAN OR ?MERCAPTOETHANOL OR MERCAPTO?)  
L5 52082 S L4 AND (CONDENS? OR COUPL?)  
L6 19240 S L2 AND L5  
L7 1894 S L6 AND AZEOTROP?  
L8 1547 S L7 AND DISTILL?  
L9 1254 S L8 AND EVAPORAT?  
L10 1254 S L9 AND (WATER REMOVAL OR REMOVAL OR WATER OR DEHYDRAT?)  
L11 1239 S L10 AND SOLVENT  
L12 1165 S L11 AND TOLUENE  
L13 834 S L12 AND (COPPER OR LEAD OR CADMIUM)  
L14 0 S L13 AND COORDINATING AGENT  
L15 418 S L13 AND SODIUM SULFATE  
L16 413 S L15 AND ACETATE  
L17 3322 S DEAN-STARK APPARATUS  
L18 44 S L16 AND L17

## WEST Search History

DATE: Friday, November 03, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L29	l28 and (silica or silica gel.CLM.)	0
<input type="checkbox"/>	L28	extraction of metals or metal extraction.CLM.	10
<input type="checkbox"/>	L27	extraction or metals or metal extraction.CLM.	525519
<input type="checkbox"/>	L26	l25 and azeotrop\$.CLM.	5
<input type="checkbox"/>	L25	l24 and (condens\$ or coupl\$.CLM.)	4141
<input type="checkbox"/>	L24	l23 and (mercaptan or mercaptoethanol or mercapto\$.CLM.)	7070
<input type="checkbox"/>	L23	l22 and (silica or silica gel.CLM.)	69943
<input type="checkbox"/>	L22	l21 and (removing or recovering or separat\$ or removal.CLM.)	356471
<input type="checkbox"/>	L21	metals or metal compound or metal catalyst or metal values.CLM.	467782
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L20	l19 and (azeotropic attachment or azeotropic coupling)	0
<input type="checkbox"/>	L19	mercaptan and silica	17380
<input type="checkbox"/>	L18	metals or metal values or metal compounds or metal catalyst.CLM.	4557777
<input type="checkbox"/>	L17	recovery of metals or recovery of metal values	1
<input type="checkbox"/>	L16	removal of metals or removal of metal values	4
<input type="checkbox"/>	L15	l13 and l14	119
<input type="checkbox"/>	L14	dean-stark	14856
<input type="checkbox"/>	L13	l12 and acetate	486
<input type="checkbox"/>	L12	l11 and sodium sulfate	491
<input type="checkbox"/>	L11	l10 and toluene	929
<input type="checkbox"/>	L10	l9 and solvent	1022
<input type="checkbox"/>	L9	l8 and (copper or lead or cadmium)	1030
<input type="checkbox"/>	L8	l7 and (distilled or distillation or distilling)	1479
<input type="checkbox"/>	L7	l6 and azeotrop\$	1758
<input type="checkbox"/>	L6	l4 and l5	16058
<input type="checkbox"/>	L5	\$mercaptan or \$mercaptoethanol	78259
<input type="checkbox"/>	L4	l2 and l3	288670
<input type="checkbox"/>	L3	silica or silica gel	599788
<input type="checkbox"/>	L2	l1 and (removing or remove\$ or removal or separat\$ or recover\$)	2353239
<input type="checkbox"/>	L1	metals or metal values or metal compounds or metal catalyst	4557777